Mobil Hydraulic Oil HLPD Series

Mobil Industrial , Austria

Zinc-free dispersant/detergent type Hydraulic Fluid

Product Description

Mobil Hydraulic Oil HLPD series are hydraulic fluids containing a selective additive system, for protection of hydraulic systems, plus the addition of detergent/dispersant additives. Contaminants, deposits and water which may have entered the hydraulic system can damage pump parts, with Mobil Hydraulic HLPD series these are dispersed and held in suspension, and adhering particles/deposits are dissolved.

Features and Benefits

Features	Advantages and Potential Benefits
Emulsion forming properties	Emulsifies water and water mixed cooling fluids, without deteriorating the good anti-corrosion and lubrication properties
Special detergent/dispersant additive system	Excellent keep-clean performance in the hydraulic system
Particular polar additives	Improvement of glide behaviour and prevention of stick-slip, even under severe operating conditions

Applications

Mobil Hydraulic Oil HLPD series are suited for use in hydraulic systems, where due to high ingresses of water or contamination a high level of dispersancy is required to prevent water dropout in the system. Mobil Hydraulic Oil HLPD series are particularly recommended for use in hydraulic systems of machine tools, where watermixed cutting fluids may enter the hydraulic system. They can also be used in applications that experience high levels contamination e.g. mobile hydraulic units (excavators, bulldozers, wheel loaders, truck hydraulic systems).

Properties and Specifications

Property	32	46	68
Grade	ISO 32	ISO 46	ISO 68
Density 15 C, kg/m3, DIN 51757 v3	0.873	0.880	0.882
FZG Scuffing, A/8.3/90, Fail Stage, Rating, ISO 14635	>12	>12	>12
Flash Point, Cleveland Open Cup, °C, EN ISO 2592	205	210	225
Kinematic Viscosity 100 C, mm2/s, ISO 3104	5.4	6.7	8.6
Kinematic Viscosity 40 C, mm2/s, ISO 3104	32	45	68
Load Capacity, N/mm2, DIN 51347-2	44	44	47
Pour Point, °C, ASTM D97	-27	-27	-24

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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